

## **ICE COOLED COLD PLATE AND CARBONATOR**

### **Abstract of the Disclosure:**

A beverage cooling system for an ice and beverage dispenser is characterized by a cold plate for mounting a carbonator tank. The cold plate is provided with carbonator tank supports for mounting the carbonator tank in intimate heat exchange contact with the cold plate, with the carbonator tank being mounted sufficiently far away from heat exchange surfaces of the cold plate that it does not interfere with ice contacting the heat exchange surfaces. The arrangement is such that there is substantially no diminution of a surface area of the cold plate that is available to receive ice. At the same time, the carbonator is effectively cooled through direct heat exchange contact with the cold plate.